

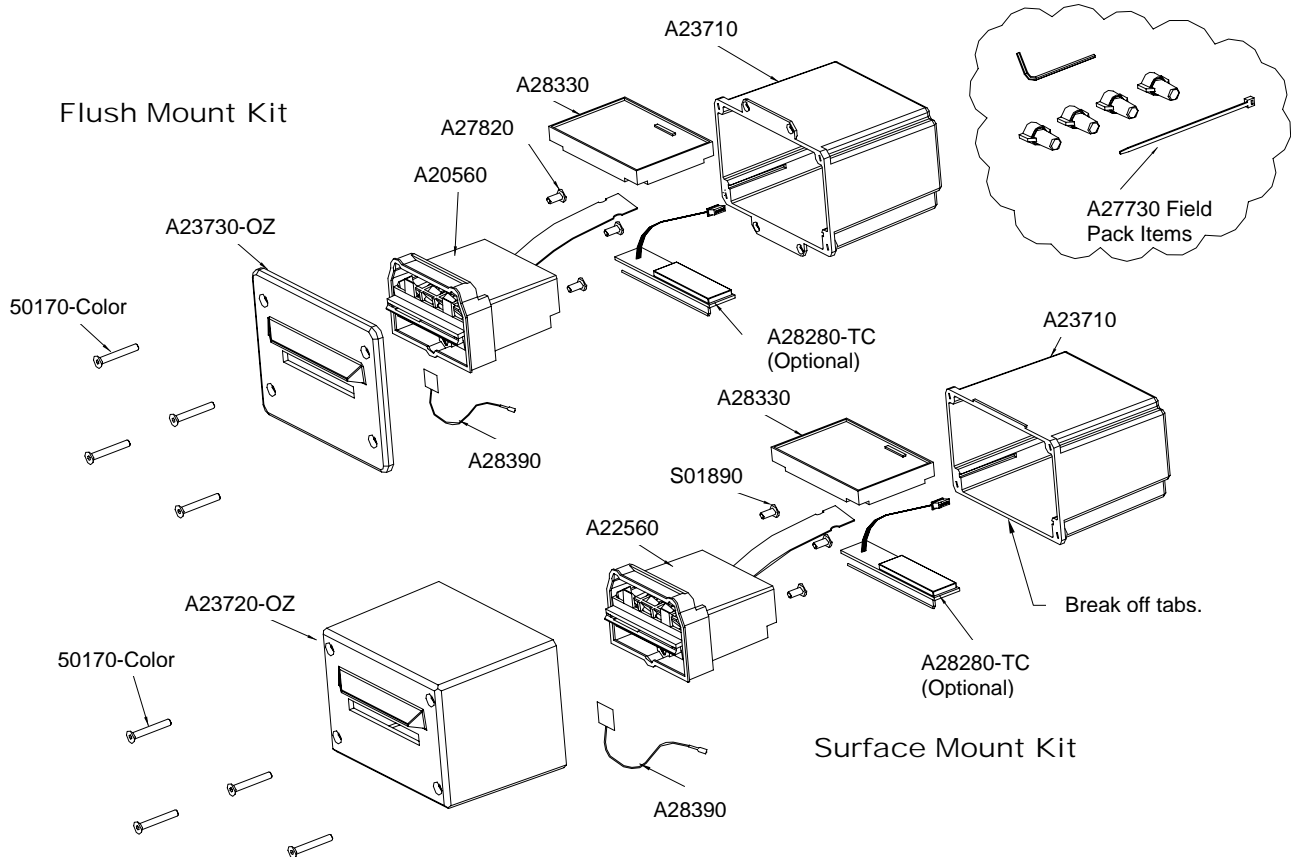


Remote Control Unit 2 (RCU2) Installation Instructions

Please check to make sure all parts are accounted for before beginning installation. Do not substitute any of the parts. The use of substitute parts will result in poor performance of the lock.

The RCU2 comes in two styles: flush mount and surface mount. The flush mount version is generally used indoors in hollow walls, and the surface mount version is for solid walls. The proper style must be ordered to suit the application.

Note: For exterior and Messenger® applications, use only faceplates with the rain awning integrated into the front cover.



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Product Description

The SAFLOK RCU2 controls access to electric strikes, electric exit devices, electromagnetic locks, and parking gates. When wired into elevator car controls by a certified technician, the unit also performs as an elevator control unit (ECU). Inserting a keycard in the reader will momentarily switch power to the electrified locking device.

Pre-installation Requirement

Be sure to investigate the switching current and voltages required by the electric access control hardware. The RCU2 is equipped with a relay that can be configured either “normally open” or “normally closed,” to function properly with the application. The relay is rated for five amps at 250 VAC or five amps at 30 VDC. Review your local fire and electrical codes before installing this product.

Messenger® Option

For RCU2 units equipped with the Messenger transceiver module, the faceplate and electrical enclosure must be made from plastic to ensure optimum transmissions of the RF access communications to a nearby Messenger hub. (For Messenger applications, faceplates are available in white, ivory, or dark brown plastic.)

If the RCU2 location has not been previously confirmed for connectivity to the Messenger network, consult the *Messenger Site Survey Instructions*. In some cases an additional hub may be required to ensure connectivity in new locations.

Installing the RCU2

1. Position the electrical box in an accessible location. The box should be in close proximity to the access opening as the user will have only five seconds to open the door before the unit relocks.
2. Fasten the electrical box in position with the appropriate fasteners (not provided). Make sure that the fastener heads will not impede the space required for the electronics and connections when inserted in the box.
3. Run the appropriate wires to the RCU2 box.
4. Make the necessary wire connections using the wire nuts (provided). Refer to the schematic diagram on the following page.
5. Position the reader assembly and optional Messenger module (if required) into the electrical box. Be sure that no wires are pulled or pinched.
6. Using the wrench provided, secure the faceplate to the electrical box with the tamper resistant screws.
7. For exterior applications, seal the unit with silicone RTV (not provided) as shown in the Construction Diagrams on page 4.
8. Program and test the unit. Refer to the System 6000 Training and Reference Manual.

Schematic Diagram

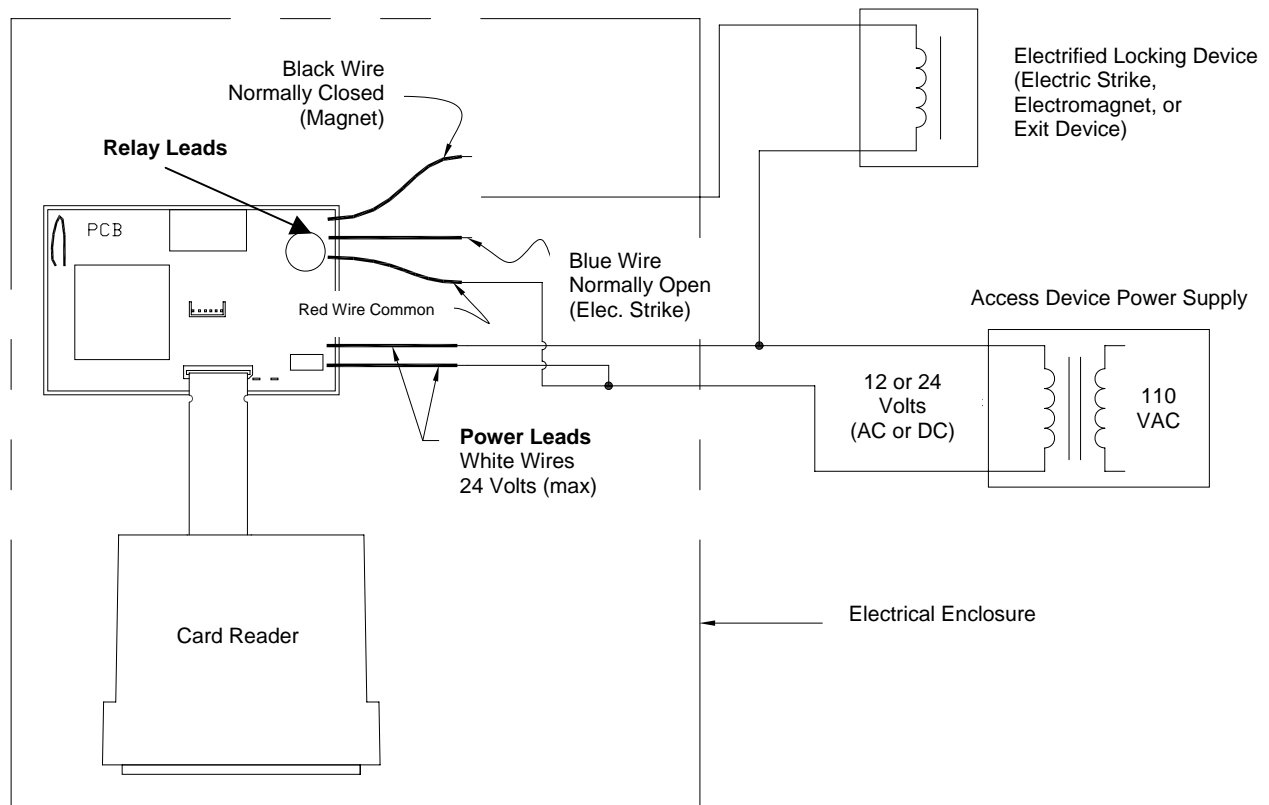
Power Leads

The RCU2 requires 12-24 volts AC or DC input. Two wire leads (white insulation) are provided for supplying power to the reader. Ensure that voltage going to the reader does not exceed 24 volts. Any 110 VAC power supplies necessary for rectification shall be in separate enclosures and rated properly.

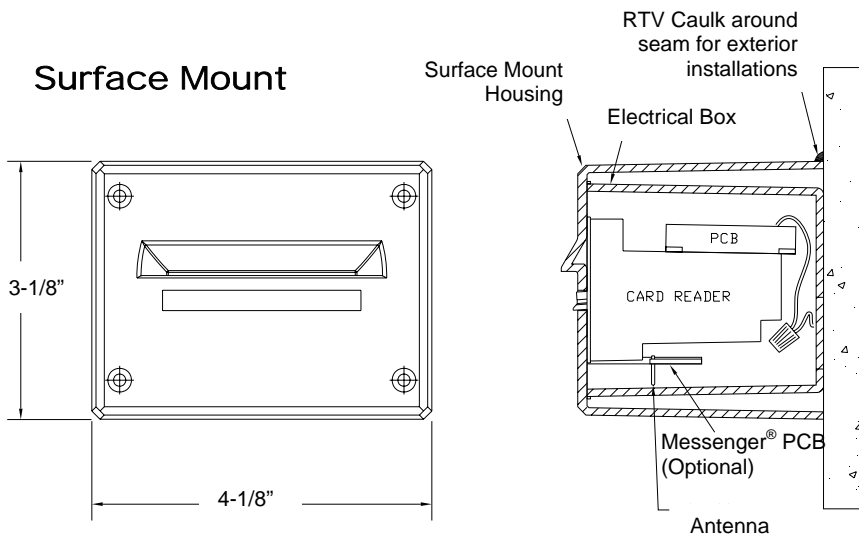
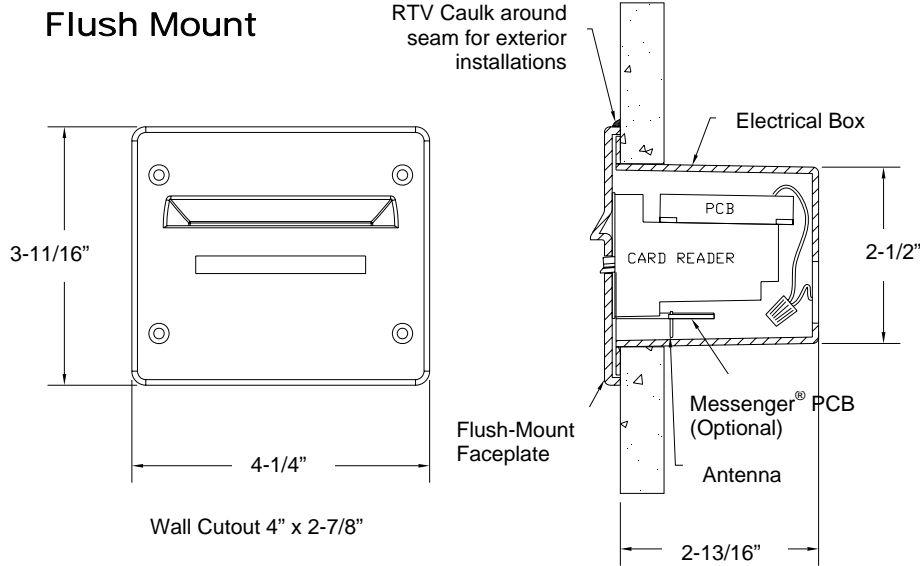
Relay Leads

Three wire leads (red, black, and blue) are provided for switching power to the electrified locking device attached to the gate, door, doorframe, etc.

- The red lead is common. It is always connected.
- The black lead is normally closed (NC). It is used for electric lock devices like electromagnets.
- The blue lead is normally open (NO). It is used for electric lock devices like electric strikes.



Construction Diagrams



Questions? Call Customer Service at 800.999.6213 and select option 3.
For online assistance, visit support.saflok.com.



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Manufactured under one or more of the following patents:

U.S.: 4,177,657; 4,411,144; 4,534,194; 4,890,870; 5,198,643;
5,477,041; 5,820,177; 5,986,564; 7,051,561; D494,841; D501,131
D512,899; D519,021; D531,629; D533,009; D533,047; D533,762;
D533,763; D535,629 CANADA: 1,252,854; 1,298,902
U.K. 2,010,375
Other U.S. and foreign patents pending

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